

$$\cos^2(P/3 - 7x) = 1/2$$

$$u^2 = 1/2$$

$$u = \pm 1/\sqrt{2}$$

$$\cos(P/3 - 7x) = 1/\sqrt{2}$$

$$P/3 - 7x = \pm P/4 + 2Pk$$

$$7x = P/3 - P/4 - 2Pk$$

$$x = (P/3 - P/4 - 2Pk)/7$$

$$\text{или } \cos(P/3 - 7x) = -1/\sqrt{2}$$

$$P/3 - 7x = \pm 3P/4 + 2Pk$$

$$x = (P/3 - 3P/4 - 2Pk)/7$$

$$\text{Ответ: } (P/3 - P/4 - 2Pk)/7; (P/3 - 3P/4 - 2Pk)/7$$

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$$\cos^2 x = (\cos 2x + 1)/2$$

$$\cos^2(P/3 - 7x) = 1/2$$

$$\cos^2(P/3 - 7x) = (\cos(2(P/3 - 7x)) + 1)/2 = (\cos(2P/3 - 14x) + 1)/2$$

$$(\cos(2P/3 - 14x) + 1)/2 = 1/2$$

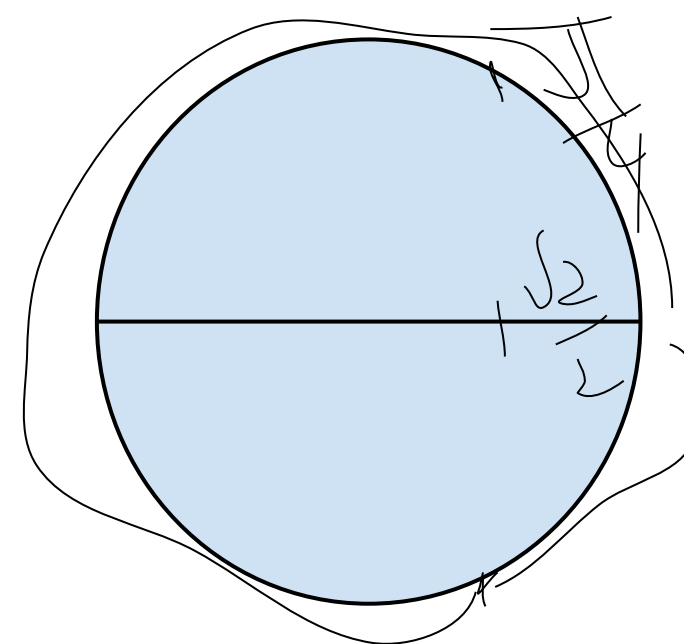
$$\cos(2P/3 - 14x) + 1 = 1$$

$$\cos(2P/3 - 14x) = 0$$

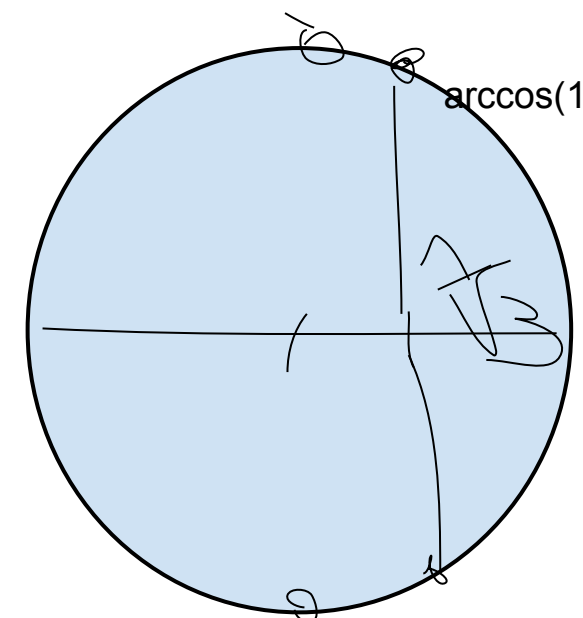
$$2P/3 - 14x = P/2 + Pk$$

$$x = (2P/3 - P/2 - Pk)/14$$

$$\text{Ответ: } (2P/3 - P/2 - Pk)/14$$



$$-P/4 = -\arccos(1/\sqrt{2})$$



$$\cos x = 1/\sqrt{3}$$

$$x = \pm \arccos(1/\sqrt{3}) + 2Pk$$